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F01N 1/24(21)Application number : 02-140520 (71)Applicant : NIPPON GURASUFUAIKAA
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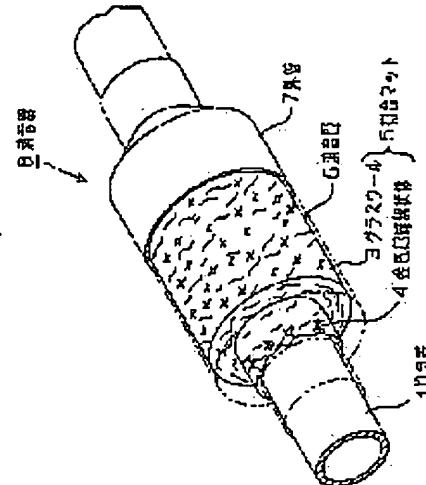
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(54) MUFFLER FOR INTERNAL COMBUSTION ENGINE AND ITS MANUFACTURE

(57)Abstract:

PURPOSE: To improve productivity and prevent the generation of abnormal sound by forming glass fibers of glass wools and metallic fibers of metallic fiber-flocculent bodies integrally so that they are entangled with each other, and simultaneously wrapping both the fibers around the outer peripheral surface of an exhaust pipe.

CONSTITUTION: Glass wools 3 and metallic fiber-flocculent bodies 4 are lapped and simultaneously needle-punched to form a compound mat 5 in which glass fibers of glass wools 3 and metallic fibers of metallic fiber-flocculent bodies 4 are entangled with each other. The compound mat 5 is wrapped around the outer peripheral surface of an exhaust pipe 1 so that the metallic fiber-flocculent bodies are inward, to form a muffling layer 6. Since the compound mat 5 is integrally formed, the glass wools 3 and the metallic fiber-flocculent bodies 4 can be simultaneously wrapped around the outer peripheral surface of the exhaust pipe 1. An outer pipe is provided in order to cover the outer peripheral surface of the muffling layer 6 and its both end faces. Thus, productivity is increased and generation of abnormal noise is prevented.



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